

Calendar

Friday, August 25

3:30 p.m. DIRECTOR'S COFFEE

BREAK - 2nd Flr X-over

4:00 p.m. Joint Experimental Theoretical Physics Seminar - 1 West

Speaker: S. Sekula, Massachusetts Institute of Technology

Title: Leptonic Decays at BaBar

Monday, August 28

PARTICLE ASTROPHYSICS SEMINARS WILL RESUME IN THE FALL

3:30 p.m. Director's Coffee Break - 2nd floor crossover

4:00 p.m. All Experimenters' Meeting - Curia II

Special Topics: Meson Roof Repair
Tevatron Electron Lens (TEL-2)

Click [here](#) for a full calendar with links to additional information.

Weather



Chance of Showers **89°/69°**

[Extended Forecast](#)

[Weather at Fermilab](#)

Current Security Status

[Secon Level 3](#)

Wilson Hall Cafe

Card access system for after-hours in Wilson Hall



Starting Monday, Wilson Hall will be locked after hours and you will need your badge to enter.

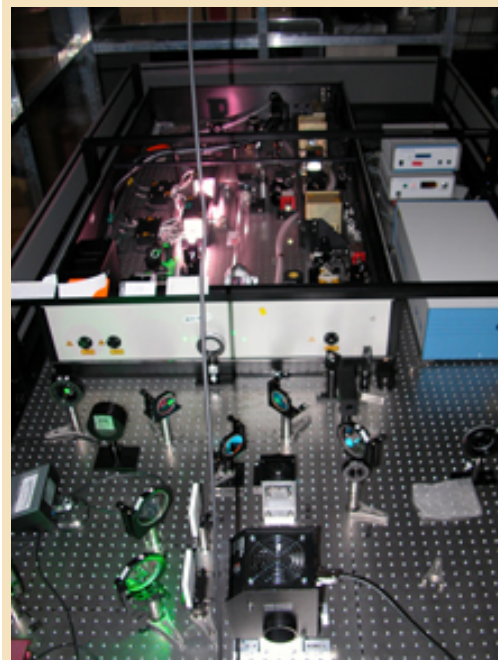
Next time you pull an all-nighter at Wilson Hall, be sure to bring your badge with you. The building will soon be locked every night, and you will only gain access using new electronic badge readers placed at some of the building's entrances. "This extra security-measure was a trade-off so we could keep the rest of the site free and open to the public," said Security Chief Bill Flaherty. Like the badge-access sensors at CDF and DZero, Wilson Hall's new system will use RF identification tags. "Hold your badge a couple inches away from the reader and the door will open," said Flaherty.

Once the new system is in place, Wilson Hall access will change in the following ways:

- The Wilson Hall Atrium revolving doors will be locked between 11:00 p.m. and 6:00 a.m. each day. A sign at the entrance to the Horseshoe will remind people to use ground floor entrances during those hours.

ILC NewsLine

Getting wired for beam diagnostics



The laser wire system measures the beam size and its location.

Luminosity is the ILC's magical word. The higher it is, the better the collisions, the better the results, the higher the chance to find the answer to some of the open questions the ILC community hopes to answer. The particle beams need to be long and thin, and the scientists have to know exactly what they looked like before they collided with their counterparts: if they know what went in, they can understand what comes out. The laser wire system, led by a team of universities in the UK, measures the beam size and its location and thus helps to know just what "went in."

Looking up from the metal cartridge to which he is soldering wire, Laurent Millischer grins. "This is not like at school," he says. "The French system is

Friday, August 25

-Beef Pepper Pot
 -Buffalo Chicken Wings
 -Cajun Breaded Catfish
 -Sweet & Sour Pork over Rice
 -Honey Mustard Ham & Swiss Panini
 -Assorted Slice Pizza
 -Carved Turkey

Upcoming Menu**Chez Leon****Wednesday, August 30****Lunch**

-Wild Rice and Grilled Duck Salad
 -Steamed Snow Peas
 -Amaretto Cheesecake

Thursday, August 31**Dinner**

-Melon and Prosciutto
 -Grilled Duck w/Zinfandel Fig Sauce
 -Wild Rice and Orzo
 -Oven Roasted Tomatoes and Goat Cheese
 -Lemon Napoleons

Chez Leon Menu

Call x4598 to make your reservation.

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today@fnal.gov

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- Ground floor doors will be locked and controlled by the card access system seven days a week from 8:00 p.m. to 6:00 a.m. Employees with Fermilab ID badges will be able to enter ground floor doors at the southwest stairwell (exterior and interior doors); the northwest and northeast handicapped doors; and the personnel door next to the high-bay overhead door. In some cases, doors will remain unlocked to accommodate after-hours events for the public.

- At all times, a Fermilab ID badge will be required to access the 16th Floor or to operate the WHGF high-bay overhead door.

--Siri Steiner

Readers Write**Channel 13****Dear FT:**

Great idea to explain the Channel 13 monitor display! [See the August 23 [article](#) by Dave Mosher.] Although in the past I found it fun to try to decipher some of the more obscure abbreviations on my own, I will enjoy being able to understand all of it now. Thanks!

--Linda Valerio, Accelerator Division

If you would like to submit a letter, write to us at today@fnal.gov.

Photo of the Day

very much about learning loads of things and doing hand calculations, but I wanted to do some research, too. I love the system where you work in a small area doing lots of different things, and that's really the case here at Oxford."

Laurent is both French and Austrian, in his third year of physics at the Ecole Centrale in Paris and in Orsay and works as a summer student for Nicolas Delerue, laser wire expert in Oxford University. He also compared temperature probes of the laser wire results, designed electrical circuits and programmed computer-probe interfaces during his placement.

[Read More](#)

Announcements**Parking lot closed this weekend**

This Saturday and Sunday, August 26th and 27th, the parking lots and the driveways near the auditorium and cross gallery will be closed to allow for crack-filling, seal coating and striping. Rain could alter these plans. Parking should be available again on Monday morning.

Hadronic Shower Simulation Workshop

A hadronic showers workshop will take place at Fermilab from September 6 through September 8. The workshop will focus on the understanding and simulation of hadronic showers in calorimeters, in shielding, in the atmosphere and the ocean. If you would like to participate, please [register](#) as soon as possible. There is no registration fee.

Benefits survey

Not happy with your benefits? See areas that can improve? The Benefits Office invites you to participate in a survey, and

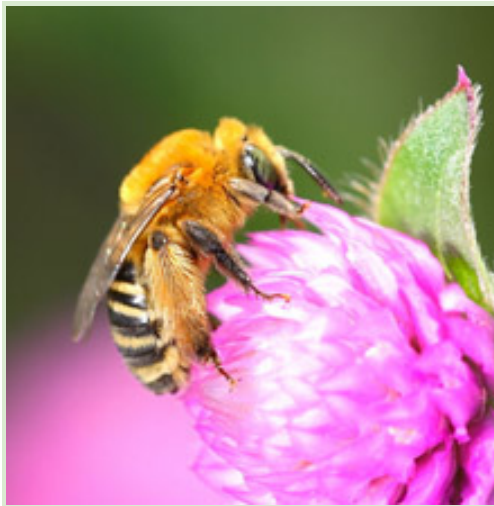
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[Linear Collider News archive](#)

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Last Sunday, AD's Denton Morris found this bumble bee in fellow-employee [Jim Wendt's village garden plot](#). "Jim's garden is the only place I can count on seeing them," said Morris.

In the News

Stanford Report, August 23, 2006:

First direct observations of 'spinons' and 'holons' seen after 40-year hunt

The theory has been around for more than 40 years, but only now has it been confirmed through direct and unambiguous experimental results.

Working at the Advanced Light Source (ALS) of the U.S. Department of Energy's Lawrence Berkeley National Laboratory, a team of researchers has observed the theoretical prediction of electron "spin-charge separation" in a one-dimensional solid. These results hold implications for future developments in several key areas of advanced technology, including high-temperature superconductors, nanowires and spintronics.

Just as the body and wheels of a car are thought to be intrinsic parts of a whole, incapable of separate and independent actions—i.e., the body goes right while the wheels go left—so, too, are electrical charge and spin intrinsic components of an electron. The exception, according to

will use your feedback to enhance customer service and review benefit offerings. You may complete the survey [electronically](#) or come to the Benefits Office to pick up a paper copy. The survey ends September 8.

2007 Recreation Facility memberships

2006 Recreation Facility memberships will expire October 2, but you can buy a new one starting September 1. The cost is \$85.00 for a regular membership and \$55.00 for graduate students. Employees who purchase memberships in the beginning of September will receive 13 months for the price of 12. Fees can be paid with Visa, MasterCard, check or cash in the Recreation Office, WH15W. Registration forms are available at the [Recreation Webpage](#), and in the Recreation Office. If you would like to check out the facility before purchasing a membership, contact the Recreation Office for a 1 day pass.

Tuesday night bowling league

Fermilab's Tuesday night mixed bowling league will begin on September 5 at 6:00 p.m. The 30-week, ABC/WBA-sanctioned league will meet at AMF Bowling Center in North Aurora (formerly Valley Bowl). We are looking for complete 4-person teams or any number of bowlers of any skill level. For information, contact Dan Johnson (840-2074) or Jackie Coleman (840-3027).

Classifieds

New [classified ads](#) have been posted on Fermilab Today.

[Upcoming Activities](#)

theory, occurs in one-dimensional solids, where the collective excitation of a system of electrons can lead to the emergence of two new particles called "spinons" and "holons."

[Read More](#)

